**Mental Math/Game**

(tens – making 100)

**Standard:**

CC2.1.1.B.3: Use place value concepts and properties of operations to add and subtract within 100

**Practice Standard:**

1. Make sense of problems and persevere in solving them

5. Use appropriate tools strategically

6. Attend to Precision

**What visual(s) will you use**? Number Line

**Activity designed around visual** –Are you adapting an activity you experienced today? How?

* 60 – 20 =
  + Allow students to compute mentally
  + Explain thinking as group
* 61 – 20 =
  + Allow students to compute mentally
  + Explain thinking as group

**What questions you will ask as students are engaged in the activity to surface the mathematics?**

* How did you solve this task?
* Can you explain your thinking?
* How do you know?
* Does that make sense? Is your answer reasonable?
* How are these two strategies similar and different?

**Standard:**

Grade 1: CC2.1.1.B.3: Use place value concepts and properties of operations to add and subtract within 100

**Practice Standard:**

1. Make sense of problems and persevere in solving them

5. Use appropriate tools strategically

6. Attend to Precision

**What visual(s) will you use**? base 10 pictures on cards/ten frames

**Turn Over 100**

* Need: cards of tens (10, 20, 30, etc.)
* Directions: Students lay cards out in rows/columns. Students take turns turning over two cards. Students need to compose 100 by adding together the two cards. If the two cards make 100, that is considered a “match”. The player with the most matches wins the game.
* Purpose: composing/decomposing 100 using tens
* Extension: Leave cards “face up”. Students can use 2 or more cards to compose 100. Students work as a team to find as many combinations as possible with the least amount of cards left over.

**What questions you will ask as students are engaged in the activity to surface the mathematics?**

* How do you know that makes 100?
* Can you explain your thinking?
* Does that make sense?
* Extension: What was your team’s strategy to reduce the number of cards left over?